

Purpose: Ran 6% Tris - Glycine gel of *Brachamella catarrhalis* 49/43 OG extract (KT-frozen cells - 11/14/94) and silver stained to determine approximate size of OMP106 protein or homolog.

Methods:

1. Cast continuous 6% Tris - Glycine gel; SDS-PAGE.
2. Prepared samples:
 - Bio-Rad Pre-stained (Low Range)
 - Bio-Rad Silver Standard (Broad Range) 1:20 dilutions
 - Novex standard
 - OG - B. cat. 49/43 (Sample labeled KT-frozen cells - 11/14/94, 1:2 dilution w/ 2X SB; one sample was boiled, other sample was not boiled)
3. Ran gel @ 20 mAmp constant current.
4. Silver stained gel.

Results:

Lane - sample

- 1 - BioRad Pre-stained Low Range
- 2 - OG Not Boiled (25ul of 1:2 diluted sample)
- 3 - OG Boiled (25ul of 1:2 diluted sample)
- 4 - Novex Std.
- 5 - OG Not boiled
- 6 - BioRad Silver Standard Broad Range (25ul of 1:20 diluted sample)
- 7 - OG Boiled
- 8 - BioRad Pre-stained Low Range

Standards MW (Daltons):

Bio-Rad Pre-stained (Low)

139,900
86,800
47,800
33,300
28,600
20,100

Novex

250,000
98,000
64,000
50,000
36,000

Bio-Rad Silver Std (Broad)

200,000
116,250
97,400
66,200

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Read and Understood By

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Conclusion:

The size of the OMP106 is approx. 200 kDa. The protein does not migrate into gel unless boiled; compare boiled and not boiled lanes for protein of interest.

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BioRad STD

Unboiled
extract

Boiled extract

Novex STD

Unboiled
extract

BioRad Sil.
STD

Boiled extract

BioRad STD

